

| PATENT APPLICATION FEE DETERMINATION RECORD                              |  |                                  |                                    |               | Application or Docket Number<br>9/687884 |                         |
|--|--|----------------------------------|------------------------------------|---------------|--|-------------------------|
| Effective October 1, 1997  |  |                                  |                                    |               |  |                         |
| CLAIMS AS FILED - PART I   |  |                                  |                                    |               | SMALL ENTITY                             |                         |
| (Column 1) (Column 2)  |  |                                  |                                    |               | TYPE                                     | OTHER THAN SMALL ENTITY |
| FOR  |  | NUMBER FILED                     | NUMBER EXTRA                       |               | RATE                                     | FEES                    |
| BASIC FEE  |  |                                  |                                    |               |  | 395.00                  |
| TOTAL CLAIMS   |  | minus 20 =                       | *                                  |               | x\$11=                                   |                         |
| INDEPENDENT CLAIMS   |  | minus 3 =                        | *                                  |               | x41=                                     |                         |
| MULTIPLE DEPENDENT CLAIM PRESENT   |  |                                  |                                    |               | +135=                                    |                         |
| * If the difference in column 1 is less than zero, enter "0" in column 2 |  |                                  |                                    |               | TOTAL                                    |                         |
|  |  |                                  |                                    |               | OR                                       |                         |
|  |  |                                  |                                    |               | RATE                                     | FEES                    |
| BASIC FEE  |  |                                  |                                    |               |  | 790.00                  |
| TOTAL CLAIMS   |  | minus 20 =                       | *                                  |               | x\$22=                                   |                         |
| INDEPENDENT CLAIMS   |  | minus 3 =                        | *                                  |               | x82=                                     |                         |
| MULTIPLE DEPENDENT CLAIM PRESENT   |  |                                  |                                    |               | +270=                                    |                         |
|  |  |                                  |                                    |               | TOTAL                                    |                         |
|  |  |                                  |                                    |               | OR                                       |                         |
|  |  |                                  |                                    |               | RATE                                     | FEES                    |
| BASIC FEE  |  |                                  |                                    |               |  |                         |
| TOTAL CLAIMS   |  | minus 20 =                       | *                                  |               |  |                         |
| INDEPENDENT CLAIMS   |  | minus 3 =                        | *                                  |               |  |                         |
| MULTIPLE DEPENDENT CLAIM PRESENT   |  |                                  |                                    |               |  |                         |
| * If the difference in column 1 is less than zero, enter "0" in column 2 |  |                                  |                                    |               |  |                         |
| CLAIMS AS AMENDED - PART II  |  |                                  |                                    |               | SMALL ENTITY                             |                         |
| (Column 1) (Column 2) (Column 3)   |  |                                  |                                    |               | TYPE                                     | OTHER THAN SMALL ENTITY |
| AMENDMENT A  |  | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE                                     | ADDITIONAL FEE          |
| Total  |  | 15                               | Minus                              | 20            | x\$11=                                   |                         |
| Independent  |  | 3                                | Minus                              | 3             | x41=                                     |                         |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM                           |  |                                  |                                    |               | +135=                                    |                         |
|  |  |                                  |                                    |               | TOTAL ADDIT. FEE                         |                         |
|  |  |                                  |                                    |               | OR                                       |                         |
|  |  |                                  |                                    |               | RATE                                     | ADDITIONAL FEE          |
| AMENDMENT B  |  | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | x\$22=                                   |                         |
| Total  |  | 15                               | Minus                              | 20            | x82=                                     |                         |
| Independent  |  | 3                                | Minus                              | 3             | +270=                                    |                         |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM                           |  |                                  |                                    |               | TOTAL ADDIT. FEE                         |                         |
|  |  |                                  |                                    |               | OR                                       |                         |
|  |  |                                  |                                    |               | RATE                                     | ADDITIONAL FEE          |
| AMENDMENT C  |  | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | x\$11=                                   |                         |
| Total  |  | 15                               | Minus                              | 20            | x41=                                     |                         |
| Independent  |  | 3                                | Minus                              | 3             | +135=                                    |                         |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM                           |  |                                  |                                    |               | TOTAL ADDIT. FEE                         |                         |
|  |  |                                  |                                    |               | OR                                       |                         |
|  |  |                                  |                                    |               | RATE                                     | ADDITIONAL FEE          |
| AMENDMENT D  |  | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | x\$22=                                   |                         |
| Total  |  | 15                               | Minus                              | 20            | x82=                                     |                         |
| Independent  |  | 3                                | Minus                              | 3             | +270=                                    |                         |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM                           |  |                                  |                                    |               | TOTAL ADDIT. FEE                         |                         |
|  |  |                                  |                                    |               | OR                                       |                         |
|  |  |                                  |                                    |               | RATE                                     | ADDITIONAL FEE          |
| AMENDMENT E  |  | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | x\$11=                                   |                         |
| Total  |  | 15                               | Minus                              | 20            | x41=                                     |                         |
| Independent  |  | 3                                | Minus                              | 3             | +135=                                    |                         |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM                           |  |                                  |                                    |               | TOTAL ADDIT. FEE                         |                         |
|  |  |                                  |                                    |               | OR                                       |                         |
|  |  |                                  |                                    |               | RATE                                     | ADDITIONAL FEE          |
| AMENDMENT F  |  | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA | x\$22=                                   |                         |
| Total  |  | 15                               | Minus                              | 20            | x82=                                     |                         |
| Independent  |  | 3                                | Minus                              | 3             | +270=                                    |                         |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM                           |  |                                  |                                    |               | TOTAL ADDIT. FEE                         |                         |
|  |  |                                  |                                    |               | OR                                       |                         |
|  |  |                                  |                                    |               | RATE                                     | ADDITIONAL FEE          |

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  
 \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."  
 \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."  
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

PATENT APPLICATION FEE DETERMINATION RECORD  
Effective January 1, 2003

Application or Docket Number

09/687886

**CLAIMS AS FILED - PART I**

(Column 1) (Column 2)

|                                  |  |              |                          |
|----------------------------------|--|--------------|--------------------------|
| TOTAL CLAIMS                     |  |              |                          |
| FOR                              |  | NUMBER FILED | NUMBER EXTRA             |
| TOTAL CHARGEABLE CLAIMS          |  | minus 20 =   | *                        |
| INDEPENDENT CLAIMS               |  | minus 3 =    | *                        |
| MULTIPLE DEPENDENT CLAIM PRESENT |  |              | <input type="checkbox"/> |

SMALL ENTITY  
TYPE

| RATE      | FEES   |
|-----------|--------|
| BASIC FEE | 375.00 |
| X\$ 9=    |        |
| X42=      |        |
| +140=     |        |
| TOTAL     |        |

OTHER THAN  
OR SMALL ENTITY

| RATE      | FEES   |
|-----------|--------|
| BASIC FEE | 750.00 |
| X\$18=    |        |
| X84=      |        |
| +280=     |        |
| TOTAL     |        |

\* If the difference in column 1 is less than zero, enter "0" in column 2

**CLAIMS AS AMENDED - PART II**

(Column 1) (Column 2) (Column 3)

| AMENDMENT A                                    | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |             | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA |
|--|---|-------------|---|------------------|
|  | Total                                     | Independent | Minus                                       | =                |
|  |   |             | ** 20                                       | /                |
|  |   |             | *** 3                                       | /                |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM |   |             | <input type="checkbox"/>                    |                  |

SMALL ENTITY

| RATE             | ADDI-<br>TIONAL<br>FEE |
|------------------|------------------------|
| X\$ 9=           |                        |
| X42=             |                        |
| +140=            |                        |
| TOTAL ADDIT. FEE |                        |

OTHER THAN  
OR SMALL ENTITY

| RATE             | ADDI-<br>TIONAL<br>FEE |
|------------------|------------------------|
| X\$18=           |                        |
| X84=             |                        |
| +280=            |                        |
| TOTAL ADDIT. FEE |                        |

(Column 1) (Column 2) (Column 3)

| AMENDMENT B                                    | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |             | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA |
|--|---|-------------|---|------------------|
|  | Total                                     | Independent | Minus                                       | =                |
|  |   |             | **  | =                |
|  |   |             | ***   | =                |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM |   |             | <input type="checkbox"/>                    |                  |

ADDITIONAL FEE

| RATE             | ADDI-<br>TIONAL<br>FEE |
|------------------|------------------------|
| X\$ 9=           |                        |
| X42=             |                        |
| +140=            |                        |
| TOTAL ADDIT. FEE |                        |

ADDITIONAL FEE

| RATE             | ADDI-<br>TIONAL<br>FEE |
|------------------|------------------------|
| X\$18=           |                        |
| X84=             |                        |
| +280=            |                        |
| TOTAL ADDIT. FEE |                        |

(Column 1) (Column 2) (Column 3)

| AMENDMENT C                                    | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |             | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA |
|--|---|-------------|---|------------------|
|  | Total                                     | Independent | Minus                                       | =                |
|  |   |             | **  | =                |
|  |   |             | ***   | =                |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM |   |             | <input type="checkbox"/>                    |                  |

ADDITIONAL FEE

| RATE             | ADDI-<br>TIONAL<br>FEE |
|------------------|------------------------|
| X\$ 9=           |                        |
| X42=             |                        |
| +140=            |                        |
| TOTAL ADDIT. FEE |                        |

ADDITIONAL FEE

| RATE             | ADDI-<br>TIONAL<br>FEE |
|------------------|------------------------|
| X\$18=           |                        |
| X84=             |                        |
| +280=            |                        |
| TOTAL ADDIT. FEE |                        |

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

\*\*\*If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.